CLAIMS

1. A biaxially oriented polyester film for use in a capacitor having high heat resistance, comprising a polyester (A) as a main component and a polyimide (B), and having a glass transition temperature in the range of 105° C to 145° C and an elongation at break in a machine direction of 70% to 150%.

2. A polyester film for use in a capacitor having high heat resistance, according to claim 1, which has a surface roughness (Ra) in the range of 10 nm to 140 nm.

3. A polyester film for use in a capacitor having high heat resistance, according to claim 1, wherein the polyester (A) is a polyester composed mainly of ethylene terephthalate.

4. A polyester film for use in a capacitor having high heat resistance, according to claim 1, wherein the polyimide (B) is a polyimide composed of polyether imide.

5. A polyester film for use in a capacitor having high heat resistance, according to claim 1, which has an onset temperature of dielectric loss (tan δ) in the range of 85° C to 120° C.

6. A polyester film for use in a capacitor having high heat resistance, according to claim 1, which has an insulation volume resistance (IR) in the range of 1.0×10^{14} $\Omega\cdot$cm to 5.0×10^{16} $\Omega\cdot$cm at 125° C.

7. A polyester film for use in a capacitor having high heat resistance, according to claim 1, which has the polyimide (B) in a content in the range of 5 to 30% by weight based on the total weight of said film.

8. A polyester film for use in a capacitor having high heat resistance, according to claim 1, which has a thermal shrinkage of not more than 2.5% after a lapse of 30 minutes at 150° C.

9. A metallized film for use in a capacitor having high heat resistance, comprising one polyester film for use in a capacitor according to any one of claims 1 to 8, and having a metallized layer disposed on at least one surface of said film.

10. A capacitor having high heat resistance, comprising the metallized film for use in a capacitor according to claim 9.

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